IAP15 Rec'd PCT/PTO 13 JAN ZQQQ 1011

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE				ATTY. DOCKET NO. SERIALNO 1561			700			
PATENT AND	TRADEM	ARK OFFICE		ATTY. DOCKET NO. TIP-05-1845 SERIA 10/564789						
			•	APPLICANTS Townshi Marianshi at al						
LIST OF PURI	ICATIO	NS CITED BY APPLICANT		Tomoyuki Horiguchi et al.						
(Use several sheets if		TO CITED BY ATTEICANT		FILING DATE GROUP Herewith						
	·	U.S.	PATENT D	OCUMENTS		<u> </u>				
EXAMINER							FILING DA	TC		
INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	IF APPROP			
	AA							-		
	AB									
	AC AD				ļ		 			
	AE									
	AF									
	AG				,					
	AH	·					ļ			
	AI AJ				-			···		
	AK									
	· · · · · · · · · · · · · · · · · · ·	FOREIG	GN PATENT	DOCUMENTS	•			· · · · · · · · · · · · · · · · · · ·		
							TRANSLAT	LION		
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO .		
/S.R.H./	AL	JP 52-12902 A	01/31/77	Japan				x		
/S.R.H./	АМ	JP 61-275483 A	12/05/86	Japan				x		
/S.R.H./	AN	JP 01-018178 B2	04/04/89	Japan				х		
/S.R.H./	AO	JP 5-78986 A	03/30/93	Japan				x		
/S.R.H./	AP	JP 5-171014 A	07/09/93	Japan				х		
/S.R.H./	AQ	JP 7-62301 A	03/07/95	Japan				x		
/S.R.H./	AR	WO 99/23289 A I	05/14/99	Japan			Abstract only			
/S.R.H./	AS	WO 01/30729 A1	05/03/01	Japan			Abstract only			
/S.R.H./	AT	JP 2001-348457 A	12/18/01	Japan				х		
		OTHER PUBLICATIONS	(Including Au	thor, Title, Date, Pertin	ent Pages, Et	c.)	·			
				·						
	.									
	AU						<u> </u>			
										
	AV						·	· · ·		
FWALINIES.	AW	<u> </u>		DATE CONSIDER	ED 00/	10,0007				
EXAMINER	/Sha	awn Robert Hutchinson/		DATE CONSIDER	/80 مع	16/2007				
ij .		blication considered, whether or not citation is in		e with MPEP 609; Drav	w line through	citation if not in		nd not		
considered. Incl	ude copy o	f this form with next communication to Applicar	nt.				4			

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY. DOCKET N TIP-05-1845	SERIAL NO. 10/564,789					
					APPLICANTS					
LIST OF PUBLI	CATION	NS CITED BY APPLICANT			Tomoyuki Horiguchi et al. FILING DATE GROUP					
(Use several sheets if ne	cessary)				January 13, 2006					
			U.S. PATENT) DC	OCUMENTS					
EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	_N	NAME CLASS		SUBCLASS	FILING DA		
				Ë	11112	CEASS	300CLA33	L AITRO	RIMIE	
·	AA	·		_		'				
	AB			<u> </u>						
	AC						· · · · · · · · · · · · · · · · · · ·			
	AD			\vdash			· · · · · · · · · · · · · · · · · · ·			
	AE AF			\vdash						
				\vdash						
	AG.			-					<u> </u>	
	AH			-						
	Al									
	AJ		,	_				<u> </u>		
	AK	•	[·		
	AL									
	AM			_				<u> </u>	 	
	AN				<u> </u>			 	· · · · · · · · · · · · · · · · · · ·	
	AO			L						
	AP									
		FOR	REIGN PATE	NT	DOCUMENTS					
		DOCUMENT NUMBER	DATE	_ ا	OUNTRY	CLASS	SUBCLASS	TRANSLA YES	TION	
IC D U I				<u> </u>	OUNTRI	CLASS	SUBCLASS	1 53	Ì	
/S.R.H./	AQ	JP 7-62031 B	07/05/95	Ja	pan				x	
	AR			_				-	-	
	AS			_			<u>, </u>		 	
	AT.								<u> </u>	
	ΑU								<u> </u>	
		OTHER PUBLICATION	NS (Including	Aut	hor, Title, Date, Pertine	ent Pages, Et	c.)	·		
	ΑV			,		_				
	AW					·- <u>·</u>				
	ΑX					·				
EXAMINER		awn Robert Hutchinson/			DATE CONSIDERE	_	6/2007			
*EXAMINER: Init	ial if put	olication considered, whether or not citation this form with next communication to Appl	is in conforma	псе	with MPEP 609; Draw	line through	citation if not in o	conformance a	nd not	
CONSIDERED. INCIDE	copy of	uns torm with next communication to Appl	iicani.						·	

TRANSLATION	Form PTO-1449 U.S. DEPARTMENT OF COMMERCE				ATTY. DOCKET NO. SERIAL NO.						
International Processory International Processory International Processory International Processory International Processor International International Processor International Processor International Processor International Processor International Processor	PATENT AND T	RADEM	<i>[</i> .	6 \	TIP-05-1845 10/564,789						
International Processory International Processory International Processory International Processory International Processor International International Processor International Processor International Processor International Processor International Processor			JUL 16	%							
International Processory International Processory International Processory International Processory International Processor International International Processor International Processor International Processor International Processor International Processor			12 2007	•							
DOCUMENT NUMBER DATE NAME CLASS SUBCLASS FILING DATE	LIST OF PUBL	ICATIO	NS CITED BY APPLICAN	<i>!s/</i>	1		GROUP				
DOCUMENT NUMBER DATE NAME CLASS SUBCLASS FILING DATE	(Use several sheets if n	ecessary)	Va de	<u> </u>	January 13, 2006		1771				
INITIAL*		· · · · · · · · · · · · · · · · · · ·	U.S. P	ATENT DO	CUMENTS				····		
S.R.H.	EXAMINER						İ	FILING DA	TE		
S.R.H.	INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	IF APPROP	RIATE		
S.R.H.		AA	↑····································	08/21/01	Nabeshima et al.						
S.R.H.	/S.R.H./										
AD 6,705,843 B1 03/1604 Ishihara et al.	/S.R.H./				1						
AE			†					†			
AF	70.1 1.1		0,700,043 23	05/10/04	isimula et al.		<u> </u>				
AG						1	<u> </u>	 			
AH		 		<u> </u>		 	<u> </u>	 			
AI			· · · · · · · · · · · · · · · · · · ·	<u> </u>		<u> </u>	<u> </u>				
AJ		_				<u> </u>		 			
FOREIGN PATENT DOCUMENTS								 			
DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS NO		+				 	<u> </u>	<u> </u>			
DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES NO		J AK	FORFIC	N PATENT	DOCUMENTS	<u> </u>	<u> </u>	<u>L.</u>			
DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS VES NO						<u> </u>	}	"]			
/S.R.H.								TRANSLAT	ION		
S.R.H.			DOCUMENT NUMBER	DATE	COUNTRY	CLASS.	SUBCLASS	YES	NO		
/S.R.H.	/S.R.H./	AL	54-116417	09/10/79	Japan			Abstract Only			
/S.R.H./ AO 04-308271 10/30/92 Japan Abstract Only /S.R.H./ AP 05-078986 03/30/93 Japan Abstract Only OTHER PUBLICATIONS (Including Author, Title, Date, Pertinent Pages, Etc.) AR AR AS EXAMINER /Shawn Robert Hutchinson/ *EXAMINER: Initial if publication considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.		AM	61-275483	12/05/86	Japan	ļ		Abstract Only			
/S.R.H./ AP 05-078986 03/30/93 Japan Abstract Only OTHER PUBLICATIONS (Including Author, Title, Date, Pertinent Pages, Etc.) AR AS EXAMINER /Shawn Robert Hutchinson/ DATE CONSIDERED 08/16/2007 *EXAMINER: Initial if publication considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.	/S.R.H./	AN	63-042021	02/23/88	Japan			Abstract Only			
OTHER PUBLICATIONS (Including Author, Title, Date, Pertinent Pages, Etc.) AR AS EXAMINER /Shawn Robert Hutchinson/ *EXAMINER: Initial if publication considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.	/S.R.H./	АО	04-308271	10/30/92	Japan			Abstract Only			
AR AS AS EXAMINER /Shawn Robert Hutchinson/ *EXAMINER: Initial if publication considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.	/S.R.H./	AP	05-078986	03/30/93	Japan ,			Abstract Only	•		
AR AS AS EXAMINER /Shawn Robert Hutchinson/ *EXAMINER: Initial if publication considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.			OTHER PUBLICATIONS (I	ncluding Auth	nor, Title, Date, Pertine	ent Pages, Etc.	.)				
AS AS EXAMINER /Shawn Robert Hutchinson/ DATE CONSIDERED 08/16/2007 *EXAMINER: Initial if publication considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.											
AS AS EXAMINER /Shawn Robert Hutchinson/ DATE CONSIDERED 08/16/2007 *EXAMINER: Initial if publication considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.							_				
EXAMINER: Initial if publication considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.		AR	,					·			
EXAMINER: Initial if publication considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.			·								
EXAMINER: Initial if publication considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.		AS									
EXAMINER: Initial if publication considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.											
EXAMINER: Initial if publication considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.	•	1		,							
/Shawn Robert Hutchinson/ *EXAMINER: Initial if publication considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.		AT	<u> </u>		· · · · · · · · · · · · · · · · · · ·						
	EXAMINER	/Shav	wn Robert Hutchinson/		DATE CONSIDER	^{ED} 08/16/	2007				
· · · · · · · · · · · · · · · · · · ·				nformance w	ith MPEP 609; Draw l	ine through ci	tation if not in co	nformance and	not considered.		

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			ATTY. DOCKET NO. SERIAL NO.							
PATENT AND T	RADEM	ARK OFFICE		TIP-05-1845 10/564,789						
•				APPLICANT						
				Tomoyuki Horiguchi et al.						
(Use several sheets if n		NS CITED BY APPLICANT		FILING DATE		GROUP				
(Ose several sheets if h	cccsury)	NO.	A TENT DO	January 13, 2006		1771		 		
•	T		PATENT DO	CUMENTS	T	T	·			
EXAMINER							FILING DA	TE		
INITIAL*	1	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	IF APPROP			
	AA	1								
	AB									
-	AC			1				,		
	AD									
	AE					Ì				
	AF							•		
	AG									
	AH									
	AI .									
	ΑJ				`					
	AK									
····		FOREIG	N PATENT	DOCUMENTS						
							TRANSLAT	ION		
	1	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO		
/S.R.H./	AL	05-171014	07/09/93	Japan	,		Abstract Only			
/S.R.H./	AM	07-62301	07/05/95	Japan				. x		
/S.R.H./	AN	10/131058	05/19/98	Japan			Abstract Only			
/S.R.H./	AO	11-43835 (corresponds to U.S. 6,276,121)	02/16/99	Japan	-					
/S.R.H./	AP	99/23289 A1 (corresponds to U.S. 6,566,287)	05/14/99	PCT						
		OTHER PUBLICATIONS (I	ncluding Auth	or, Title, Date, Pertine	nt Pages, Etc.	.)				
						*·····································	<u> </u>			
						=				
	AR						•			
	AS									
						•				
				,		_				
EVALABLES	AT			5.mr.++						
EXAMINER	/Shav	vn Robert Hutchinson/		DATE CONSIDERE	ED 08/1	16/2007				
		blication considered, whether or not citation is in co	onformance w	ith MPEP 609; Draw li	ne through ci	tation if not in cor	formance and	not considered.		

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE			ATTY. DOCKET NO. SERIAL NO.							
PATENT AND T	RADEM.	ARK OFFICE		TIP-05-1845 10/564,789						
			•	APPLICANT						
				Tomoyuki Horiguchi et al.						
		NS CITED BY APPLICANT		FILING DATE		GROUP		•		
(Use several sheets if ne	cessary)		· · · · · · · · · · · · · · · · · · ·	January 13, 2006		1771				
		U.S. P	ATENT DO	CUMENTS	1	 	7			
EXAMINER	ļ						FILING DA	TE		
INITIAL*	<u> </u>	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	IF APPROP	RIATE		
	AA									
	AB						<u> </u>			
	AC				· ·	<u> </u>	<u> </u>			
	AD					<u> </u>	-			
•	AE						-			
	AF AG	·								
	AH									
	AI				-					
	AJ				 					
	AK									
		FOREIG	N PATENT	DOCUMENTS	<u> </u>					
						TRANSLAT	ION			
	<u> </u>	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO		
/S.R.H./	AL	11-323740	11/26/99	Japan			Abstract Only			
/S.R.H./	AM	2000-336581	12/05/00	Japan			Abstract Only			
/S.R.H./	AN	01/30729 A1 (corresponds to LLS -6,706,843)	05/03/01	PCT	<u></u>					
/S.R.H./	AO	2001-348457A (corresponds to U.S. 2001/0027246),	12/18/01	Japan				l		
/S.R.H./	AP	2003-221791	08/08/03	Japan			Abstract Only			
		OTHER PUBLICATIONS (In	ncluding Auth	nor, Title, Date, Pertine	nt Pages, Etc.	.)				
										
	AR							 		
•						<u></u>				
	AS	_								
							-			
								20		
	AT			· .	•	····				
EXAMINER	/Sha	wn Robert Hutchinson/		DATE CONSIDERED 08/16/2007						
		blication considered, whether or not citation is in co	nformance w	ith MPEP 609; Draw li	ine through ci	tation if not in cor	oformance and o	not considered.		

• , , ,			···					Sneet 4 C	14	
	Form PTO-1449 U.S. DEPARTMENT OF COMMERCE				ATTY. DOCKET NO. SERIAL NO.					
PATENT AND T	RADEM.	ARK OFFICE		TIP-05-1845 10/564,789						
		•		APPLICANT						
		NO CIMOD DV A DDI I CANIT		Tomoyuki Horig	guchi et al.	T			_	
		NS CITED BY APPLICANT		FILING DATE	_	GROUP				
(Use several sheets if n	ecessary)		1	January 13, 200	6	1771			=	
	·	1	U.S. PATENT DO	CUMENTS		T	··	····	_	
EXAMINER	1.			•			FILING DATE .			
INITIAL*	Ì	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	IF APPROPRIATE			
	AA									
	AB					1				
	AC									
	AD									
	AE		•							
	AF									
	AG									
	AH									
	Al								,	
	AJ									
	AK					<u>l'</u>				
			FOREIGN PATENT	DOCUMENTS						
							TRANSLAT	TON		
	İ						INANSLA	ION	_	
	 	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO		
/S.R.H./	AL	2003-286667	10/10/03	Japan			Abstract Only			
	AM									
								,	_	
	AN		<u> </u>			<u> </u>	<u> </u>		_	
	AO									
	AP		٠					•		
									_	
	1	OTHER PUBLICAT	FIONS (Including Auti	nor, Title, Date, Pert		:.)			=	
					3			,		
			•				_			
	AR					-	· · ·			
	1									
						· · ·		·····		
	AS									
									_	
	AT		<u> </u>			<u>. </u>				
EXAMINER	ICL	our Dobort Hutchinson		DATE CONSIDE	-RED 08	/16/2007				
	/5n	awn Robert Hutchinson/		DATE CONSIDERED CO. 15.2001						
*EYAMINED. I-	nitial if a	blication considered, whether or not citation	on is in conformance	ith MPED 600. D-	u ling theorek -	itation if not in an	Marmanas 1	not considered		
		with next communication to Applicant.	5 comormance w	21 007, Didi	inic unough c	II IIVL III CUI	ance and	nor considered		